

JAN 21 2004

Form PTO 1449

ATTY DOCKET NO. 66-00A

SERIAL NO. 10/676,566

FILING DATE: September 30, 2003

APPLICANT Wheeler et al.

GROUP: Not assigned

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Subclass	Filing Date
dc	4,736,866	4/12/88	Leder et al.	800	1	
	4,873,191	10/10/89	Wagner et al.	435	172.3	
	4,873,316	10/10/89	Meade et al.	530	412	
	4,994,384	2/19/91	Prather et al.	435	172.2	
	5,057,420	10/15/91	Massey	435	172.2	
	5,304,489	4/19/94	Rosen	435	320.1	
	5,453,457	9/26/95	Meltzer et al.	523	136	
	5,496,720	3/5/96	Susko-Parrish et al.	435	240.2	
	5,523,226	6/4/96	Wheeler	435	240.2	
	5,530,177	6/25/96	Bleck et al.	800	2	
	5,565,362	10/15/96	Rosen	435	320.1	
	5,686,120	11/11/97	Mertz et al.	435	320.1	
	5,831,141	11/3/98	Lubon et al.	800	2	
	5,850,000	12/15/98	Bleck et al.	800	2	
	5,852,224	12/22/98	Cooper et al.	800	2	
	5,914,267	6/22/99	Mertz et al.	435	320.1	
	6,004,805	12/21/99	Casperson	435	325	
	6,011,197	6/4/00	Strelchenko et al.	800	24	
dc	6,027,722	2/22/00	Hodgson	424	93.21	

EXAMINER

Deborah Coach

DATE CONSIDERED

1-20-06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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dc	6,066,725	5/23/00	DeBoer et al.	536	23.5	
dc	6,080,912	6/27/00	Bremel et al.	800	23	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
dc	WO99/14310	3/25/99	PCT	C12N	1/00	
dc	WO 97/07669	3/6/97	PCT	A01K	67/027	
dc	WO 97/07668	3/6/97	PCT	A01K	67/027	
dc	WO 95/17500	6/29/95	PCT	C12N	5/00	
dc	WO93/03143	2/18/93	PCT	C12N	5/10	
dc	WO 88/05486	7/28/88	PCT	E04B	5/57	
dc	EP 264,166	8/21/96	EP	C12N	15/90	
dc	EP 117,058	09/20/89	EP	C12N	15/00	

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dc	Alexander and Carey (1999) "Oral IGF-I enhances nutrient and electrolyte absorption in neonatal piglet intestine" Am. J. Physiol Gast. Liv. Phys., 277:G619-G625
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dc	Bleck, GT et al. (1994) "Modification of Milk Composition Using Molecular Biology" Illinois Dairy Report, Department of Animal Sciences, Cooperative Extension Service, Agricultural Experiment Station, College of Agriculture, University of Illinois at Champaign-Urbana, pp. 83-86.
dc	Bleck, G.T. et al. (1995) "Alteration of Milk to Improve Animal Production" Int. Emb. Trans. Soc. Newsletter 13(2):6-10

EXAMINER	Deborah A. Orman	DATE CONSIDERED	1-20-08
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GROUP: Not assigned

<i>de</i>	Bleck, GT et al. (1996) "Increasing Total Solids and Reducing Lactose and Water Content of Milk" Illinois Dairy Report, Department of Animal Sciences, Cooperative Extension Service, Agricultural Experiment Station, College of Agriculture, University of Illinois at Champaign-Urbana, pp. 89-91.
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Deborah Conel 1-20-06

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APPLICANT Wheeler et al.		GROUP: Not assigned

<i>de</i>	Donovan et al. (2001) "Transgenic Over-Expression of Bovine α -Lactalbumin and Human Insulin-Like Growth Factor-I in Porcine Mammary Gland" J. Dairy Sci. 84(E. Suppl.):E216-E222.
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<i>de</i>	Shamay et al. (1988) "Effect of Insulin-Like Growth Factor I on Deoxyribonucleic Acid Synthesis and Galactopoiesis in Bovine Undifferentiated and Lactating Mammary Tissue <i>in Vitro</i> *", Endocrinology, 123:804-808

EXAMINER	<i>Deborah Crenell</i>	DATE CONSIDERED	<i>1-20-04</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

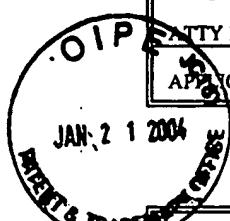
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APPLICANT Wheeler et al.		GROUP: Not assigned



		Shennan, (1998) "Mammary Gland Membrane Transport Systems" J. Mamm. Gland Biol. Neoplasia, 3:247-258
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		Wheeler, et al. (December 2001) "Transgenic alteration of sow milk to improve piglet growth and health" Reproduction Supplement 58:313-324.
		Wheeler, et al., (August 17, 1999) Presentation at Transgenic Animal Conference, Tahoe City, CA, 8/17/99
		Wheeler, M. (August 1999) Transgenic alteration of sow milk: production and characterization of bovine - lactalbumin and human IGF-I transgenic swine. Abstracts of the Transgenic Animals in Research Conference; Transgenic Research pp. 463; 474-475
Q		Winder et al. (1989) "Stimulation of DNA synthesis in cultures of ovine mammary epithelial cells by insulin and insulin-like growth factors", J. Endocrinology, 123:319-326

EXAMINER	DATE CONSIDERED
<i>Deborah Cline</i>	1-20-06
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

<i>dc</i>		Houdebine, L.M., The production of pharmaceutical proteins from the milk of transgenic animals. Reprod Nutr Dev (1995) 35, 609-617.

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Deborah Borch

DATE CONSIDERED

1-26-06

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Exmr Initial		Document Number	Date	Name	Class	Subclass	Filing Date
pb		5,850,000	15 Dec 1998	Bleck et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	EP0420055A2	03 April 1991	EP			

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

<i>pb</i>	Bleck, G.T., Production of transgenic pigs and mice containing the gene encoding human insulin-like growth factor I(IGF-I) under control of the bovine α -lactalbumin promoter and regulatory regions, Denver 1998 ADSA-ASAS Joint Meeting Hosted by Colorado State University, J. Anim. Sci. Vol. 76, Suppl. 1/J. Dairy Sci. Vol. 81, Suppl 1/1998, pp. 213.
<i>pb</i>	Clark, A.J., The Mammary Gland as a Bioreactor: Expression, Processing, and Production of Recombinant Proteins. Journal of Mammary Gland Biology and Neoplasia. 1998, Vol. 3, No. 3, pages 337-350.
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<i>pb</i>	Fujiwara, Y., High-Level Expressing YAC Vector for Transgenic Animal Bioreactors. Molecular Reproduction and Development. 1999, Vol. 52, pages 414-420.
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	Bates et al. Mammary Cancer in Transgenic Mice Expressing Insulin-Like Growth Factor-II (IGF-II). British Journal of Cancer 72:1189-1193, 1995
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This is a substitute for form 1449/PTO, based on PTO/SB/08A and 08B

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number	10/676,566
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First Named Inventor	WHEELER et al.
Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	66-00A

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. 1	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)
<i>DL</i>		5,534,493	07/09/1996	Gluckman et al.	

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Examiner Initial*	Cite No. ¹	Foreign Patent Document Number (include WIPO country code)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T ²

NON-PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional).

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